

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims

#### Claims 1-12 (canceled)

1           **Claim 13 (currently amended):** A device for preventing  
2   an incorrect insertion of a cartridge into a cartridge  
3   storage space, the cartridge including ~~an information~~  
4   ~~recording medium disposed within a housing, the housing~~  
5   ~~having at least one of a recessed part and a through hole~~  
6   ~~disposed at a position other than a central position of the~~  
7   ~~housing~~ a housing having a recessed part and containing  
8   either a magnetic tape reel or an optical disk, the  
9   recessed part being used for inserting a reel base that  
10   engages with the magnetic tape reel or the recessed part  
11   being used for inserting a rotary drive spindle motor for  
12   the optical disk, said device comprising:

13           a claw operable to protrude into the recessed part ~~or~~  
14   ~~the through hole~~ of the cartridge only when the cartridge  
15   is inserted into the cartridge storage space in a correct  
16   orientation; and

17           a stopper operable to work with said claw such that  
18   when said claw protrudes into the recessed part ~~or the~~  
19   ~~through hole~~ of the cartridge, said stopper is disposed to  
20   allow the cartridge to be inserted and stored in the

21 cartridge storage space, and when said claw does not  
22 protrude into the recessed part ~~or the through hole~~ of the  
23 cartridge, said stopper is disposed to prevent the  
24 cartridge from being inserted and stored in the cartridge  
25 storage space.

1           **Claim 14 (previously presented):** A device as claimed  
2 in claim 13, the cartridge being inserted into the  
3 cartridge storage space in a correct orientation when the  
4 cartridge is inserted from a predetermined direction into  
5 the cartridge storage space.

1           **Claim 15 (previously presented):** A device as claimed  
2 in claim 13, further comprising a joint part operable to  
3 join said claw with said stopper, said joint part being  
4 disposed to rock on a shaft as a fulcrum.

1           **Claim 16 (currently amended):** A device as claimed in  
2 claim 13, ~~said device~~ further comprising a plurality of at  
3 least one of said claw and said stopper.

**Claim 17 (canceled)**

1           **Claim 18 (currently amended):** A device for preventing  
2 an incorrect insertion of a cartridge into a cartridge  
3 storage space, the cartridge including an information

4 recording medium disposed within a housing, the housing  
5 having ~~at least one of a~~ recessed part ~~and a through hole~~  
6 ~~disposed at a position other than a central position of the~~  
7 housing, said device comprising:

8 a claw operable to protrude into the recessed part ~~or~~  
9 ~~the through hole~~ of the cartridge only when the cartridge  
10 is inserted into the cartridge storage space in a correct  
11 orientation;

12 a claw position detecting part operable to detect when  
13 said claw protrudes and does not protrude into the recessed  
14 part ~~or the through hole~~ of the cartridge, and output a  
15 detection result; ~~and~~

16 a determining part operable to determine whether the  
17 insertion of the cartridge is in a correct orientation  
18 based on the detection result of said claw position  
19 detecting part, ~~and output a determination result; and~~

20 said determining part operable to activate at least  
21 one of: a suspension operation to suspend the insertion; an  
22 operation to provide information of an incorrect insertion;  
23 and an ejection operation to eject the cartridge from the  
24 cartridge storage space, when said determining part  
25 determines that the insertion of the cartridge is not in a  
26 correct orientation.

1 **Claim 19 (previously presented):** A device as claimed  
2 in claim 18, the cartridge being inserted into the

3     cartridge storage space in a correct orientation when the  
4     cartridge is inserted from a predetermined direction into  
5     the cartridge storage space.

**Claim 20 (canceled)**

1            **Claim 21 (currently amended):** A cartridge changer for  
2     performing cartridge changing and preventing an incorrect  
3     insertion of a cartridge into a cartridge storage space,  
4     the cartridge including ~~an information recording medium~~  
5     ~~disposed within a housing, the housing having at least one~~  
6     ~~of a recessed part and a through hole disposed at a~~  
7     ~~position other than a central position of the housing~~  
8     a housing having a recessed part and containing either a  
9     magnetic tape reel or an optical disk, the recessed part  
10    being used for inserting a reel base that engages with the  
11    magnetic tape reel or the recessed part being used for  
12    inserting a rotary drive spindle motor for the optical  
13    disk, said cartridge changer comprising:

14           a plurality of cartridge storage parts each of which  
15     includes the cartridge storage space for mounting the  
16     cartridge;

17           a moving mechanism operable to move a selected one of  
18     said plurality of cartridge storage parts from a first  
19     position, at which ~~a user inserts the cartridge~~ is inserted

20 into the cartridge storage space, to a second position  
21 which is different than the first position; and

22 a device disposed in at least one of the first  
23 position, the second position, and the plurality of  
24 cartridge storage parts, said device comprising:

25 a claw operable to protrude into the recessed  
26 part ~~or the through hole~~ of the cartridge only when the  
27 cartridge is inserted into the cartridge storage space in  
28 a correct orientation; and

29 a stopper operable to work with said claw such  
30 that when said claw protrudes into the recessed part ~~or the~~  
31 ~~through hole~~ of the cartridge, said stopper is disposed to  
32 allow the cartridge to be inserted and stored [[ln ]] in the  
33 cartridge storage space, and when said claw does not  
34 protrude into the recessed part ~~or the through hole~~ of the  
35 cartridge, said stopper is disposed to prevent the  
36 cartridge from being inserted and stored in the cartridge  
37 storage space.

1 **Claim 22 (previously presented):** A cartridge changer  
2 as claimed in claim 21, the cartridge being inserted into  
3 the cartridge storage space in a correct orientation when  
4 the cartridge is inserted from its backside into the  
5 cartridge storage space.

1           **Claim 23 (currently amended):** A cartridge changer as  
2    claimed in claim 21, the second position being adjacent to  
3    a cartridge inserting point of a cartridge control device  
4    used for recording information to and/or reproducing  
5    information from ~~the information recording medium~~  
6    the optical disk or magnetic tape contained on magnetic  
7    tape reel.

1           **Claim 24 (currently amended):** A cartridge changer as  
2    claimed in claim 21, further comprising a cartridge control  
3    device disposed in a position adjacent to the second  
4    position, said cartridge control device comprising:  
5           a second cartridge storage part for mounting the  
6    cartridge; and  
7           a control part operable to record information to  
8    and/or reproduce information from ~~the information recording~~  
9    ~~medium~~the optical disk or magnetic tape contained on  
10   magnetic tape reel.

1           **Claim 25 (previously presented):** A cartridge changer  
2    as claimed in claim 24, said cartridge control device  
3    further comprising a second device operable to prevent an  
4    incorrect insertion of the cartridge into said second  
5    cartridge storage part.

1           **Claim 26 (previously presented):** A cartridge changer  
2 as claimed in claim 25, said second device being operable  
3 to detect that the cartridge has been inserted into said  
4 second cartridge storage part in an incorrect orientation.

1           **Claim 27 (previously presented):** A cartridge changer  
2 as claimed in claim 26, the cartridge being inserted into  
3 said second cartridge storage part in a correct orientation  
4 when the cartridge is inserted from its foreside into said  
5 second cartridge storage part.

1           **Claim 28 (currently amended):** A cartridge changer as  
2 claimed in claim 25, said second device containing a  
3 projection for preventing the incorrect insertion of the  
4 cartridge into [[the ]]said second cartridge storage part,  
5 wherein a notch provided on a corner of the cartridge must  
6 be aligned with said projection for correct insertion.

**Claims 29-43 (canceled)**

1           **Claim 44 (new):** A device for preventing an incorrect  
2 insertion of a cartridge into a cartridge storage space,  
3 the cartridge including an information recording medium  
4 disposed within a housing having a recessed part, said  
5 device comprising:

6           a claw operable to protrude into the recessed part of  
7   the cartridge only when the cartridge is inserted into the  
8   cartridge storage space in a correct orientation;

9           a stopper operable to work with said claw such that  
10   when said claw protrudes into the recessed part of the  
11   cartridge, said stopper is disposed to allow the cartridge  
12   to be inserted and stored in the cartridge storage space,  
13   and when said claw does not protrude into the recessed part  
14   of the cartridge, said stopper is disposed to prevent the  
15   cartridge from being inserted and stored in the cartridge  
16   storage space; and

17          a determining part operable to provide information of  
18   incorrect insertion when the insertion of the cartridge is  
19   not in a correct orientation.